

PROGRAM TITLE: RL PROCESS/PRODUCT DEVELOPMENT (1307)

OBJECTIVE: To simplify and improve the RL process and to improve the physical and subjective properties of the product.

PROGRAM APPROACH AND TIMING:

A. Process Development

1. Evaluate equipment to improve RL processing.
  - a. Press section for water removal before the Yankee dryer. 1st Qtr.
  - b. New drying techniques to replace Tunnel dryer. 1st-2nd Qtr.
  - c. Vacufoil substitution for table rolls. 2nd Qtr.
  - d. High consistency forming. 3rd Qtr.
  - e. Shower water cleanup. 1st-2nd Qtr.
2. Explore techniques to improve Fourdrinier wire drainage. 1st-2nd Qtr.
3. Define equipment for preparing reaction flavors. 3rd Qtr.
4. Explore the effect of pH in SEL concentration. 1st Qtr.
5. Design and install RL Pilot Plant for separate burley extraction and higher speed operation. 1st-4th Qtr.
6. Develop techniques for sand removal from feedstock to reduce equipment abrasion in RL & BL Plants. 1st-3rd Qtr.
7. Scale up a denitration process for the nitrate reduction of burley strip. 2nd-3rd Qtr.

B. Product Development

1. Evaluate new flavor systems and blends in conjunction with Flavor Development. Continuing
2. Define the relationships between process parameters and filling power. Continuing
3. Evaluate the effect of RL salt casing on NO, CO and HCN delivery. 1st-3rd Qtr.

C. Technical Assistance

1. Assist Park 500 to attain efficient operation of their recycle shower water system. 1st Qtr.
2. Recommend sand removal equipment for Park 500. 3rd Qtr.